2.018 CLEANING SAMS DRAWER SCREENS

OBJECTIVE:

 Clean the Space Acceleration Measurement System II (SAMS II) Drawer Screens.

TOOLS:

Vacuum Cleaner SEG39125637-303 (if necessary)

MATERIALS:

Gray Tape, 2" width

NOTE

1. The RTS/D1 and ICU/D1 drawers are located in EXPRESS Rack 1 at LAB1O2. The RTS/D2 drawer is located in EXPRESS Rack 4 at JPM1F5.

2. The power to RTS/D1, RTS/D2, and ICU/D1 was removed by the **POIC**.

3. The drawer screens can be cleaned with either tape or the vacuum (if debris is heavy).

LAB1O2_F1   1.   sw DRAWER-1 POWER → OFF
✓Power Lt – Off

sw DRAWER-2 POWER → OFF
✓Power Lt – Off

LAB1O2_L1   2.   cb DWR PWR → OFF
(RTS/D1)

cb FAN PWR → OFF

SE cable EA12305-01 ←|→ CH A J6 (on RTS drawer front)
SE cable EA12304-01 ←|→ CH B J7 (on RTS drawer front)

LAB1O2_L2   3.   Open access door (two captive fasteners).
(ICU/D1)

cb PCB Fan → OFF
cb DWR Fan → OFF
cb POWER → OFF

Close access door (two captive fasteners).

LAB1O2_L1   4.   Pull drawer out until temperature indicator is visible.
(RTS/D1)

NOTE

1. The touch temperature indicator has seven temperature squares in 5 deg C increments.

2. The squares change color based on the surface temperature of the drawer:
   Green indicates it is the actual temperature.
   Brown indicates it is above the actual temperature.
   Blue indicates it is below the actual temperature.

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5.   ✓Temperature indicator < 45°C

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********************************************************************************
*
*    If the temperature is ≥ 45° C
*    |    Push drawer in.
*    |    Wait 30 minutes.
*    |    Go to step 4
*
********************************************************************************
```

6.   Slide drawer out until screens are visible.

7.   Remove lint from screens (four, two on each side of drawer) [Gray Tape, 2"
       width or Vacuum Cleaner].

8.   Slide drawer back into rack.
      ✓Drawer Handles – Closed, Locked

9.   Repeat step 4 to step 8 for LAB1O2_L2 (ICU/D1)

NOTE
The DRAWER POWER, DWR and FAN lights will not illuminate until power is restored by **POIC**.

LAB1O2_L1
(RTS/D1)

10.   SE cable EA12305-01 →|← CH A J6 (on RTS drawer front)

      SE cable EA12304-01 →|← CH B J7 (on RTS drawer front)

      cb DWR PWR → ON
      cb FAN PWR → ON

LAB1O2_L2
(ICU/D1)

11.   Open access door (two captive fasteners).

      cb PCB Fan → ON
      cb DWR Fan → ON
      cb POWER → ON

      Close access door (two captive fasteners).

LAB1O2_F1

12.   sw DRAWER-1 POWER → ON
      sw DRAWER-2 POWER → ON

13.   Transfer Gray Tape, 2" width and Vacuum Cleaner to JPM to clean the
       RTS/D2 screens.

JPM1F5_F1

14.   sw DRAWER-2 POWER → OFF
      ✓Power Lt – Off

JPM1F5_L2
(RTS/D2)

15.   cb DWR PWR → OFF

      cb FAN PWR → OFF

16.   Pull drawer out until temperature indicator is visible.

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┌─────────────────────────────────────────────────────────────────────┐
│                              NOTE                                     │
│  1. The touch temperature indicator has seven temperature squares     │
│     in 5 deg C increments.                                            │
│  2. The squares change color based on the surface temperature of the  │
│     drawer:                                                           │
│         Green indicates it is the actual temperature.                 │
│         Brown indicates it is above the actual temperature.           │
│         Blue indicates it is below the actual temperature.            │
└─────────────────────────────────────────────────────────────────────┘
```

17. ✓Temperature indicator < 45°C

```
***********************************************************************************
*
*
*   If the temperature is ≥ 45°C
*          │  Push drawer in.
*          │  Wait 30 minutes.
*          │  Go to step 16
*
***********************************************************************************
```

18.   Slide drawer out until screens are visible.

19.   Remove lint from screens (four, two on each side of drawer) [Gray Tape, 2"
       width or Vacuum Cleaner].

20.   Slide drawer back into rack.
       ✓Drawer Handles – Closed, Locked

```
┌─────────────────────────────────────────────────────────────────────┐
│                              NOTE                                     │
│  The DRAWER POWER, DWR and FAN lights will not illuminate until power  │
│  is restored by POIC.                                                 │
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21.   cb DWR PWR → ON
       cb FAN PWR → ON

JPM1F5_F1   22.   sw DRAWER-2 POWER → ON

23.   Stow:
       Gray Tape, 2" width
       Vacuum Cleaner (if required)

24.   Notify POIC of the amount of debris removed from the screens (light, medium
       or heavy).